

Polyflam 15A4201DG2A481GRY

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyflam 15A4201DG2A481GRY is a Polypropylene, Unspecified Talc, 20% filled material.

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Colors Available
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3000	psi	ASTM D638
Flexural Modulus - Tangent	350000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.99	ft-lb/in	ASTM D256
Gardner Impact	70.0	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	241	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	155	°F	ASTM D648
RTI Str	221	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	5VA		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	360 to 399	°F
Middle Temperature	360 to 399	°F
Front Temperature	360 to 441	°F
Nozzle Temperature	360 to 441	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Screw Speed	20 to 60	rpm